

SEREDENKO, B.M.

High quality cast iron as new material for machinery construction.  
Visnyk AN URSSR 26 no.1:38-47 Ja '55. (MLRA 8:3)  
(Cast iron)

GROZIN, B.D., otvetstvennyy redaktor; DRAYGOR, D.A., redaktor; D'YAGHKOV,  
A.K., redaktor; ~~SEHEDENKO, B.N.~~, redaktor; SEHENSEN, S.V., redaktor;  
FAYNKERMAN, I.D., redaktor; SOHOKA, M.S., redaktor izdatel'stva;  
RUDENSKIY, Ya.V., tekhnicheskoy redaktor

[Increasing resistance to wear and length of service in machines]  
Povyshenie iznosostoikosti i sroka sluzhby mashin. Kiev, Gos. nauchno-  
tekhn. izd-vo mashinostroit. lit-ry, 1956. 414 p. (MIRA 10:1)

1. Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashinostroitel'-  
noy promyshlennosti. Kiyevskaya oblastnaya organizatsiya.  
(Machinery industry)

SOV/137-58-10-21553

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 157 (USSR)

AUTHORS: Seredenko, B.N., Stetsenko, V.I., Markovskiy, Ye.A.

TITLE: Wear-resistance of High-strength Cast Iron Employed in the  
Manufacture of Tractors (Iznosostoykost' vysokoprochnogo  
chuguna, primenyayemogo v traktorostroyenii)

PERIODICAL: Nauchn. tr. In-ta mashinoved. i s.-kh. mekhan. AN UkrSSR,  
1958, Vol 6, pp 33-52

ABSTRACT: Weighing methods and radioactive isotopes were employed  
in wear-resistance tests performed on cast iron with spheroidal  
graphite (CISG) paired with various other types of cast iron and  
steel. The tests were carried out with and without lubrication  
under varying specific pressures. A horizontal plateau ob-  
served on curves representing the wear of pearlitic cast iron  
as a function of the specific pressure indicates that within a  
certain interval the wear is independent of the specific pres-  
sure. The fact that wear is not affected by an increase in pres-  
sure is attributable to an optimal saturation of friction surfaces  
with austenite that is formed during friction. For each pair (at  
a given velocity of friction) there exists a critical loading under

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Wear-resistance of High-strength Cast Iron (cont.)

which both the nature and the magnitude of wear are altered (the beginning of seizing). Under dry friction, pressures up to  $40 \text{ kg/mm}^2$  (at velocities up to  $1 \text{ m/sec}$ ) and  $25 \text{ kg/mm}^2$  (at a velocity of  $3 \text{ m/sec}$ ) are permissible for components made of CISG with a pearlite or pearlite-ferrite structure. With full lubrication the specific pressures may be increased to  $80 \text{ kg/mm}^2$  (at a velocity of  $1 \text{ m/sec}$ ). Operational tests performed on D-54 Diesel units with crankshafts made of CISG and of steel demonstrated that crank-pin wear is smaller in the case of the CISG crankshafts. The CISG crankshafts contained 15-25 and 40-60% of structural ferrite; the wear of the first group (containing 15-25% ferrite) was found to be somewhat greater than the wear of the second group.

E.Sh.

1. Cast iron--Mechanical properties
2. Cast iron--Testing equipment
3. Radioisotopes--Performance
4. Cast iron--Test results

Card 2/2

SEMEDENKO, B.N.

~~Decreasing the weight of caterpillar tractors.~~ Trudy IPI  
no.193:191-202 '58. (MIRA 12:2)  
(Caterpillar tractors)

SEREDENKO, B.N.; RYZHKOV, G.I.

Tension in the links of caterpillar chains of tractors. Trudy  
LPI no.193:217-229 '58. (MIRA 12:2)  
(Caterpillar tractors)

NIZHNIY, M.I. [Nyzhniy, M.I.], kand ekon. nauk; SEREDENKO, B.M., kand. tekhn. nauk; VASILENKO, P.V., nauchnyy sotr.; CHAYKOVSKIY, A.F. [Chaikovs'kyi, A.F.], otv. za vypusk; PALIYENKO, G.D. [Paliienko, H.D.], otv. za vypusk; ONOPRIYENKO, M.M. [Onopriienko, M.M.], red.; KVITKA, S.P., tekhn.-red.

[Basic regulations on establishing work norms on collective farms] Osnovni metodychni polozhennia normuvannia pratsi v kolhospakh. Kyiv, Vyd-vo UASHN, 1961. 82 p. (MIRA 16:6)

1. Kiev. Ukrain's'ka Akademiya sil's'kohospodars'kykh nauk. Ukrain's'kyi naukovo-doslidnyi instytut ekonomiky i organizatsii sil's'koho hospodarstva. 2. Ukrain's'kiy nauchno-issledovatel's'kiy instytut ekonomiki i organizatsii sel'skogo khozyaystva (for Nizhniy, Seredenko, Vasilenko). 3. Chlen-korrespondent Ukrain's'koy akademii sel'skokhozyaystvennykh nauk (for Chaykovskiy). 4. Nachal'nik otdela Ministerstva sel'skogo khozyaystva Ukr.SSR (for Paliyenko).

(Collective farms--Production standards)

DOROSH, Ivan Iosifovich; PITUL'KO, Vitaliy Yemel'novich [Pytul'ko, V.O.]; SEREDENKO, Boris Nikolayevich [Seredenko, B.M.]; KAVUN, V.M., Geroy Sotsialisticheskogo Truda, red.; TOGOBITSKAYA, N.V. [Tohobits'ka, N.V.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Use of machinery on a collective farm] Vykorystannia tekhniky v kolhospi. Kyiv, Derzh.vyd-vo Sil's'kohospodars'koi lit-ry URSR, 1963. 139 p. (MIRA 17:3)

AGNAYEV, B.S.; CHECHETENKO, P.P.; SEREDENKO, D.K.; NESTERENKO, A.N.

Work practices of mines in the Krasnoarmeiskugol' Trust. Ugol' 38  
no.8:26-28 Ag '63. (MIRA 17:11)

1. Trest Krasnoarmeyskugol'.

LOSEV, V.F., inzh.; SEREDENKO, E.D., inzh.

Automatic unit for shaking out cores from castings.  
Mashinostroonia no.6:9-10 N-D '65.

(MIRA 18:12)

SEREDENKO, E.V.

Lessons in the study of domestic hens. Biol. v shkole no.6:32-36  
N-D '57. (MIRA 10:12)

1. Nauchno-issledovatel'skiy institut pedagogiki USSR.  
(Stock and stockbreeding--Study and teaching)  
(Poultry)

SEREDENKO, E.V.

Importance of studying farm animals in the zoology course for the  
8-year school. Biol.v shkole no.2:26-30 M-Ap '60. (MIRA 13:8)

1. Sumskey pedagogicheskiy institut.  
(Domestic animals)

SEREDENKO, E.V.

"Relation between theory and practice in a school course on zoology".  
Reviewed by E.V. Seredenko. Biol. v shkole no.3:80-82 My-Je '60.

(MIRA 13:7)

1. Sumskoy pedagogicheskiy institut.  
(Zoology--Study and teaching)

SEREDENKO, E.V., kand.pedagogicheskikh nauk

Connection between theory and practice in the study of mammals.  
Biol.v shkole no.6:22-25 N-D '62. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut pedagogiki UkrSSR.  
(Mammals) (Zoology--Study and teaching)

SEREDENKO, M.M., kand.ekon.nauk; KUGUSHEV, M.F. [Kukushev, M.F.];  
PRAVDIN, M.V.; FOMICHEV, V.I.; ALEKSANDROVA, V.P.; GORODETSKIY,  
N.I. [Horodets'kyi, N.I.]; DYATLOV, T.I.; KALITA, M.S. [Kalyta,  
M.S.]; DARAGAN, M.V. [Daragan, M.V.]; RADINA, Yu.M.; VOROB'YEVA,  
K.T. [Vorobyeva, K.T.]; LASTIVKA, N.N.; STARODUBSKIY, R.D.  
[Starodubs'kyi, R.D.]; YATSENKO, P.F.; MUROMTSEVA, G.M.  
[Muromtseva, H.M.]; RASNER, S.I.; CHERNYAK, K.I.; KOBILYAKOV,  
I.I. [Kobyliakov, I.I.]; ALEKSANDROVA, V.O., kand.ekon.nauk,  
otv.red.; DEMIDYUK, V.F. [Demydiuk, V.F.]; red.; LIBERMAN, T.R.,  
tekh.n.red.

[Ways of increasing profits in metallurgical industries] Shliakhy  
pidvyschennia rentabel'nosti metalurgiiynka pidpriemstv. Kyiv,  
Vyd-vo Akad.nauk URSR, 1961. 93 p.

(MIRA 14:6)

1. Akademiya nauk USSR, Kiyev. Institut ekonomiki. 2. Institut  
ekonomiki AN USSR (for Seredenko, V.P.Aleksandrova, Kalita,  
Daragan, Radina). 3. Dnepropetrovskiy khimiko-tehnologicheskii  
institut (for Gorodetskiy, Dyatlov). 4. Dneprodzerzhinskiy  
metallurgicheskii institut (for Kobilyakov).

(Dnepropetrovsk Province--Steel industry--Costs)

PROKOPENKO, Nikolay Semenovich; SEREDENKO, M.M., doktor ekonom. nauk, otv. red.; LANDISH, B.O., red. izd-va; LISOVETS, O.M., tekhn. red.

[Development of chemical machinery manufacture in the Ukraine]  
Rozvytok khimichnoho mashinobuduvannia na Ukraini. Kyiv, Vyd-vo Akad.nauk URSR, 1961. 74 p. (MIRA 15:1)  
(Ukraine--Chemical engineering--Equipment and supplies)

SEREDENKO, M.M., doktor ekon. nauk; ALEKSANDROVA, V.P.; KUCUSHEV, M.F.  
[Kuhushev, M.F.]; SHEVCHENKO, Ya.O.; GLAMAZDA, A.D.[Hlamazda,  
A.D.]; ZABORSKAYA, Z.M.[Zabors'ka, Z.M.]; KHOTIMCHENKO, M.M.  
[Khotymchenko, M.M.]; YATSKOV, V.S.; MEDVEDEV, V.M.[Medvediev,  
V.M.]; CHIRKOV, P.V.[Chyrkov, P.V.]; KHARCHENKO, P.F.;  
SOTCHENKO, Z.Ya.; PROFATILOVA, L.M.[Profatylova, L.M.];  
MAULIN, M.O.; GORELIK, L.Ye.[Horelik, L.IE.]; RIZHKOV, I.I.  
[Ryzhkov, I.I.]; ZHEREBKIN, G.P.[Zherebkin, H.P.]; KHRAMOV,  
O.O.; LANDYSH, B.O., red.; ROZENTSVEYG, Ye.N.[Rozentsveih,  
IE.N.], tekhn. red.

[Economic efficiency of capital investments and the introduc-  
tion of new machinery in industry]Ekonomichna efektyvnist' kapital'-  
nykh vkladen' i vprovadzhennia novoi tekhniky u promyslovosti.  
Kyiv, Vyd-vo Akad. nauk URSR, 1962. 260 p. (MIRA 16:2)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky.  
(Capital investments) (Technological innovations)

LAUER, N.V.; SEREDENKO, M.M.; KOGANOVSKAYA, M.M.; TURANOV, V.V.;  
KOLCHINSKAYA, A.Z.

Changes in hemodynamics in old age in hypoxia. Vop. geron. i  
geriat. 4:54-59 '65. (MIRA 18:5)

1. Institut fiziologii imeni Bogomol'tsa AN UkrSSR, Kiyev.

SEREDENKO, M. N.

V. V. Bondarenko, D. F. Virnyk, I. N. Romanenko, M. N. Seredenko and V. P. Teplitskiy, all of the Institute of Economics, Ukrainian SSR Academy of Sciences.

"Essays on the Development of the National Economy of the Ukrainian SSR," (book).

SC: Pravda Ukrainy, 25 Nov 54.

SEREDENKO, M.N., redaktor; LISENBART, D.K., redaktor; SIVACHENKO, Ye.K.,  
tehnicheskii redaktor.

[Fixed capital of industrial enterprises and its use] Osnovnye  
fondy promyshlennykh predpriatii i ikh ispol'zovanie. Kiev, Izd-vo  
Akademii nauk USSR, 1954. 211 p. [Microfilm] (MLBA 8:2)

1. Akademiya nauk URSR, Kiev. Institut ekonomiki.  
(Ukraine--Industries)

SEREDENKO, M.M.

Production costs in ferrous metallurgy and the ways of reducing them.  
Nauk. zap. Inst. ekon. AN URSR no.3:3-24 '55. (MIRA 11:3)  
(Ukraine--Iron industry--Costs)

~~SEREDENKO, M.M.~~

~~KHOTIMCHENKO, M.M.; SEREDENKO, M.M.~~ kandidat ekonomichnikh nauk, vidpovidal'-  
nyy redaktor; TIKHONOV, B.V., redaktor vydavnitstva; KRILOV'S'KA, N.S.,  
tehnicheskiiy redaktor

[Increasing labor productivity in the Ukrainian coal industry]  
Pidvyshchennia produktyvnosti pratsi u vuhil'niy promyslovosti  
Ukrains'koi RSR, Kyiv, Vyd-vo Akad.nauk URSR, 1956. 35 p.

(MLRA 10:8)

(Ukraine--Coal mines and mining)

LESKOV, Aleksandr Vasil'yevich; SEREDENKO, M.N., kandidat ekonomicheskikh nauk, redaktor; SAL'NIKOV, G., redaktor; YAKUBYUK, N., tekhnicheskii redaktor

[The economics of steel production; ways of lowering the cost of steel]  
Ekonomika stalevarenia; puti snizhenia sebestoimosti stali. Pod red.  
M.N.Seredenko. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1956. 126 p.  
(Steel industry) (MLBA 10:3)

SEREDENKO, M.N., kandidat ekonomicheskikh nauk, otvetstvennyy redaktor;  
KURNOSOV, Yu.A., redaktor izdatel'stva; SIVACHENKO, Ye.K., tekhnicheskiiy redaktor

[Production cost and methods for lowering it in Ukrainian industry]  
Sebestoimost' produktii i rezervy ee snizhenia v promyshlennosti  
Ukrainskoi SSR. Kiev, 1956. 352 p. (MLRA 10:1)

1. Akademiya nauk URSS, Kiyev. Institut ekonomiki.  
(Ukraine--Costs, Industrial)

SEREDENKO, Mikhail Nikolayevich; SHUMACHENKO, T., redaktor; PATSALIYUK, P.,  
tekhnicheskiy redaktor

[Ferrous metallurgy of the Ukraine, 1917-1957] Chorna metalurgiya  
Ukrainy, 1917-1957. Kyiv, Derzh.vyd-vo tekhn. lit-ry URSR, 1957.  
165 p. (MLRA 10:10)  
(Ukraine--Metallurgy)

SEREDENKO, M.P.; GIAMAZDA, A.D.; KHOTIMCHENKO, M.M.; SHEVCHENKO, Ya.O.;  
RUDY, P.Yu.; KHARCHENKO, P.F.; KHRAMOV, O.O.; GURIKOVA, V.O.;  
GORBLIK, L.Ye.; RIZHKOV, I.I.; ZHEREBKIN, G.P.; MIKOLAYEVA, I.V.;  
KOROBKO, V., redaktor; LAPCHENKO, K., tekhnichniy redaktor

[Industry of the Soviet Ukraine during 40 years, 1917-1957]  
Promyslovist' Radians'koi Ukrainy za 40 kokiv (1917-1957). Kyiv,  
Derzh.vyd-vo polit.lit-ry URSR, 1957. 330 p. (MLRA 10:10)

1. Akademiya nauk URSR, Kiyev. Institut ekonomiki.  
(Ukraine--Industries)

~~SECRET~~  
SEREDENKO, H.M.

Industrial development of the Ukrainian S.S.R. during the rule of  
the Soviets. Visnyk AN URSS 28 no.10:12-23 0 '57. (MIRA 10:12)  
(Ukraine--Industrialization)

GORELIK, Leopold Emanuelovich [HORELIK, L.E.]; SEREDENKO, M.M., kand.ekon.  
nauk, red.; VELIKOKHAT'KO, O.T., red.; ~~SKLYAROVA, V.IE~~, tekhn.red.

[Economic effectiveness of introducing new machinery in light  
industry] Ekonomichna efektyvnist' vprovadzhenia novoi tekhniki  
u lehkii promyslovosti. Kyiv, Vyd-vo Akad.nauk URSR, 1958. 72 p.  
(MIRA 12:2)

(Efficiency, Industrial)

SEREDENKO, M.N

PHASE I BOOK EXPLOITATION

SOV/4205

Aleksandrova, Valentyna Petrovna, and Mykhayl Nykolayevych Seredenko

Tekhnichnyy prohres na pidpryyemstvakh chornoyi metalurhiyi Ukrayins'koyi RSR.  
(Technical Progress at Ferrous Metallurgical Plants in the Ukrainian SSR ).Kiyiv,  
Vyd-vo AN URSR, 1959. 136 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrayins'koyi RSR. Instytut ekonomiky.

Ed.: O.O. Khramov, Candidate of Economic Sciences; Ed. of Publishing House:  
H.O. Novykova; Tech. Ed.: N.P. Rakhlina.

PURPOSE: This book is intended for the general reader interested in the economic  
development of the Ukrainian SSR.

COVERAGE: The book is an analysis of the increased efficiency resulting from im-  
provements in production processes and modernization of equipment in the ferrous  
metallurgy of the Ukrainian SSR. The work was carried out at the Donets Basin  
and Dnepr plants. The author thanks H.E. Meshta and O.M. Chornovol, of the In-  
stitute of Economics, Academy of Sciences, UkrSSR, and Workers of the  
Zaporozh'ye and Dnepropetrovsk Regional Economic Councils, Holovko and Pravdin.

Card 1/3

Technical Progress at Ferrous Metallurgical Plants (Cont.) SOV/4205

There are no references.

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Technical Progress at Ferrous Metallurgical Plants (Cont.) SCV/4205

Ch. IV. Turning Equipment to Profitable Use in Steel-Smelting Production, and  
Advanced Work Methods 106

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AVAILABLE: Library of Congress

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9-7-60

NOVIK, Yekaterina Osipovna; PERMYAKOV, Vadim Vasil'yevich; KOVALENKO, Yekaterina Yeliferovna; RODIONOV, S.P., doktor geologo-mineralogicheskikh nauk, otv. red.; SEREDENKO, M.N., doktor ekonomicheskikh nauk, otv. red.; ZAVIRYUKHINA, V.N., red. izd-va; SKLYAROVA, V.Ye., tekhn. red.

[History of geological studies of the Donets coal basin, 1700-1917]  
Istoriia geologicheskikh issledovaniy Donetskogo kamennougol'nogo basseina, 1700-1917. Kiev, Izd-vo Akad. nauk USSR, 1960. 530 p.  
(MIRA 14:7)

1. Chlen-korrespondent AN USSR (for Rodionov)  
(Donets Basin--Geology)

KALITA, Nikolay Sergeyeovich; SEREDENKO, M.N., doktor ekonom. nauk,  
otv. red.; LANDYSH, B.A., red. izd-va; YEFIMOVA, M.I., tekhn.  
red.

[Making use of secondary power resources in ferrous metallurgy]  
Ispol'zovanie vtorichnykh energeticheskikh resursov chernoi metal-  
lurgii. Kiev, Izd-vo AN USSR, 1962. 142 p. (MIRA 15:7)  
(Metallurgical furnaces) (Heat regenerators)

SEREDENKO, M.N.; SHAPOVALOV, H.A.; KALITA, N.S.

Potentialities for greater efficiency in the use of fuel and  
power resources in ferrous metallurgy. Stal' 22 no.9:  
850-852 S '62. (MIRA 15:11)

1. Institut ekonomiki AN UkrSSR i Ukrainskiy sovet narodnogo  
khozyaystva.

(Metallurgical furnaces--Combustion)  
(Heat regenerators)

YEMEL'YANOV, A.V.; SEREDENKO, M.N.; KUGUSHEV, M.F.

Economic aspects of the manufacture and use of high quality rolled  
products. Met. i gornorud. prom. no.2:32-33 Mr-Ap '65. (MIRA 18:5)

MIROSHNIKOV, Petr Semenovich; SEREDENKO, M.N., doktor ekon. nauk,  
otv. red.

[Economic problems of the automation of production] Eko-  
nomicheskie problemy avtomatizatsii proizvodstva. Kiev,  
Naukova dumka, 1965. 173 p. (MIRA 18:8)

SEREDENKO, N.

Nonstaff workers. Okhr.truda i sots.strakh. 4 no.7:16 JI '61.  
(MIRA 14:7).

1. Zaveduyushchiy otdelom sotsial'nogo strakhovaniya dorprofsozha  
Kazakhskoy zheleznoy dorogi.  
(Kazakhstan--Railroads--Employees) (Industrial hygiene)

SEREDENKO, N.

Great force. Okhr.truda i sots.strakh. 5 no.12:9-10 D '62.  
(MIRA 16:2)

1. Zaveduyushchiy otdelom sotsial'nogo strakhovaniya Dorozhnogo  
komiteta professional'nogo soyuza rabotnikov zheleznodorozhnogo  
transporta Kazahskoy zheleznoy dorogi, Alma-Ata.  
(Kazakhstan--Railroads--Hygienic aspects)

SEREDENKO, P. M.

S/078/62/007/009/007/007  
B144/B101

AUTHORS: Korpunov, G. V., Levin, V. I., Brezhneva, N. Ye.,  
Prokhorova, N. P., Yaskovich, I. V., Seredenko, P. M.

TITLE: Extractive separation of cerium

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 9, 1962, 2254-2261

TEXT: Practical methods for extractive separation of  $Ce^{IV}$  from rare earth (RE) concentrates were developed by studying the distribution coefficients and taking account of the following factors: 1) The solvate formed in  $Ce^{IV}$  nitrate extraction by way of tributyl phosphate (TBP) from  $HNO_3$  media of different concentration is  $H_2[Ce(NO_3)_6] \cdot 2(C_4H_9)_3PO_4$ . On complete saturation the organic phase contains per liter 200-240 g metallic Ce or 250 g  $CeO_2$ . 2) When TBP is diluted with hydrated kerosene, xylene, toluene, or  $CCl_4$ , the capacity changes proportionally with the dilution. 3) TBP must be purified by oxidation or vacuum distillation. 4) The optimum  $HNO_3$  concentration is 3 - 5 moles/l and corresponds to the overall minimum  
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Extractive separation of cerium ..

6/379/62/067/009/067/007  
B144/B101

distribution coefficients of  $\text{Ce}^{\text{III}}$ . 5) Oxidation should be obtained:  
a) by  $\text{H}_2\text{O}_2$  for  $\text{pH} > 5$  or by atmospheric  $\text{O}_2$ , if large quantities are involved;  
b) by  $\text{KBrO}_3$ ,  $\text{KMnO}_4$ , ozone, if small quantities must be separated.  
6) Reextraction with  $\text{H}_2\text{O}_2$  dissolved in dilute  $\text{HNO}_3$  yields  $\text{Ce}^{\text{III}}$ . 7) The  
 $\text{Ce}^{\text{III}}$  distribution coefficients depend on the Ce content in the organic  
phase and on the dilution of TBP. Hence 100% TBP and dilute TBP are  
suggested for the extraction respectively of large and small Ce quantities,  
or both methods can be combined. The operation is either continuous or  
intermittent. A plant consisting of one extraction and two washing stages  
is suggested. There are 4 figures and 5 tables. ✓

DATE: November 27, 1961

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YESKEVICH, V.F.; SEREDENKO, P.M.

Use of a complexon in the extraction process for obtaining rare  
earth erbium-lutetium concentrates. Ekstr.; teor., prim., app.  
no.2:112-116 '62. (MIRA 15:9)  
(Rare earths) (Extraction (Chemistry)) (Complexons)

KORPUSOV, G.V.; LEVIN, V.I.; BREZHNEVA, N.Ye.; PROKHOROVA, N.P.; YESKEVICH,  
I.V.; SEREDENKO, P.M.

Isolation of cerium by the extraction method. Zhur.neorg.khim.  
7 no.9:2254-2261 S '62. (MIRA 15:9)  
(Cerium) (Extraction (Chemistry))

80979

S/180/60/000/03/010/030

E111/E352  
S. Ya. and Estrin, E.I. (Moscow)

18.2500

AUTHORS:

Maksimova, O.P., Seredenko, S. Ya.

TITLE:

The Additional Stabilization Effect in Annealing Internally Work-hardened Austenite

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, Nr 3, pp 57 - 65 (USSR)

ABSTRACT:

Indications have been obtained by O.P. Maksimova et al (Ref 7) that annealing at temperatures near and somewhat below the reverse  $\alpha$  and  $\gamma$  transformation should produce substantial changes in the state and stability of internally work-hardened austenite. The present work is devoted to this problem. Three type N23GZ alloys of the Fe-Ni-Mn system, A, B and C, were used containing respectively 0.06, 0.03, 0.06% C, 23.4, 22.9 and 23.7% Ni, 3.30, 3.06 and 2.82% Mn. Phase work-hardening was produced by forward and reverse transformation of a definite percentage ("degree of phase work-hardening") of the austenite, effected by controlled cooling and warming. The overall martensite transformation effect is plotted against this degree in Figure 1 for alloys B (Curve 1) and C. Figure 2 shows for alloy A the overall effect as a

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E111/E352

The Additional Stabilization Effect in Annealing Internally  
Work-hardened Austenite

function of annealing temperature for 0, 30 and 65% degrees of phase work-hardening. Martensite transformation curves are given for alloy B for various annealing temperatures in Figure 3, while Figures 4 and 5 show the change in work-hardened austenite stability in relation to annealing temperature respectively for alloy B at 400 - 575 °C and alloy C at room temperature - 800 °C. Curves illustrating the change in stability with respect to duration (hours) of annealing at various temperatures are given in Figure 6 for alloys B and C (left- and righthand graphs, respectively). To elucidate the nature of changes in the crystal structure of internally work-hardened austenite during annealing, the authors studied alloy C in detail. Its hardness, electrical resistance, temperature-dependence of internal friction and fine structure of the internally work-hardened austenite annealed under various conditions were investigated. The resistance and internal-friction results are to be reported

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The Additional Stabilization Effect in Annealing Internally  
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shortly. The hardness remains constant while the temperature rises to 500 - 550 °C and beyond that begins to fall, reaching the value for austenite which has not been work-hardened (Figure 7). The results of X-ray interference study of alloy C are given in Table 2. The results of the present work confirm the complexity of stability changes of internally work-hardened austenite during gradually increasing annealing. The state produced immediately after the completion of reverse martensite transition does not, contrary to previous ideas, correspond to the highest austenite stability; annealing under definite conditions can increase it further. At least two elementary processes with opposite effect on stability occur during the annealing; they give the observed de-stabilisation and stabilisation. The additional stabilisation at 400 - 550 °C is attributed to polygonisation processes occurring in austenite disturbed by phase work-hardening. From the present and previous (Ref 8) work it appears that four pronounced stages exist in the

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The Additional Stabilization Effect in Annealing Internally Work-hardened Austenite

$\gamma$ -phase stability change during annealing of previously phase work-hardened austenite in type N23GZ alloys: two at temperatures below the recrystallisation temperature, the third near this temperature and the fourth extending from it to 1 150 - 1 200 °C. The authors recommend research to find whether the relations apply to other types of alloy as well as their more detailed study. There are 7 figures, 2 tables and 10 Soviet references.

SUBMITTED: July 30, 1959

Card 4/4

✓

SEREDENKO, V.H.

Casting piston rings for locomotives. Lit. proizv. no. 5:4-5 Ag '54.  
(Iron founding) (Piston rings) (MLRA 7:8)

Seredenko, V.N.

27 15 3  
4200-1  
Iron with a high content of graphite. V. N. Seredenko.  
U.S.S.R. 101,031, Sept. 25, 1958. To increase the graphite  
content and keep the ferrite at a min., the burden of coke  
added to the cupola is treated with a mixt. of graphite and  
some adhesive substance, e.g. lime dissolved in water.  
M. Hosh  
AM / ra  
auf

BOGOMOLOV, N.I., kand. tekhn. nauk; SEREDENKO, V.N., kand. tekhn. nauk,  
dotsept; NOSACH, P.I., inzh.

Investigating the wear of cast iron in a medium of loose  
abrasives. Trudy KHIIT no.76:4-10 '65. (MIRA 18:9)

SEREDENKO, V.N., kand. tekhn. nauk; NOSACH, P.I., inzh.

Cast worms. Trudy KHIIT no.76:16-23 '65.

(MIRA 18:9)

SEREDENKO, V.N., kand. tekhn. nauk

Cast runners of brake-shoe retarders for mechanized hump  
yards. Trudy KHIIT no.76:33-34 '65. (MIRA 18:9)

SEREDIN, A.I., inzh.; TRUBITSYN, Ye.G., inzh.

Unresolved problems in the new methods of locomotive construction.  
Zhel. dor. transp. 37 no.8:21-23 Ag '55. (MIRA 12:8)  
(Locomotives--Construction)

GUREVICH, A.N., kandidat tekhnicheskikh nauk; RUDAYA, K.I., kandidat  
tekhnicheskikh nauk; SEREDIN, A.I.

Design and operational characteristics of the TE3 diesel locomotive.  
Zhel.dor.transp. 37 no.12:17-24.D '55. (MLRA 9:5)

1. Glavnyy inzhener Glavnogo upravleniya lokomotivnogo khozyaystva  
Ministerstva putey soobshcheniya (for Seredin)  
(Diesel locomotives)

32(3)

SOV/112-59-2-3058

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 116 (USSR)

AUTHOR: Seredin, A. I.

TITLE: Reconstruction of Traction (Rekonstruktsiya tyagi)

PERIODICAL: V sb.: Vopr. razvitiya zh.-d. transp. M., Transzheldorizdat, 1957, pp 40-86

ABSTRACT: Data is cited on technical and economic efficiency and advantages of electric and diesel-electric traction vs. steam traction; a comparison of locomotive traction characteristics is also presented. Descriptions and major technical data of the following new electric locomotives are supplied: type N8, type VL23, a single-phase ignitron-rectifier type, and preliminary design of a passenger electric locomotive. An 8-axle AC locomotive is being designed; the Leningrad Polytechnical Institute is developing an AC freight locomotive of 4,000-4,500 kw with a capacitor-type frequency converter. Data is reported on a locomotive with traction-type squirrel-cage induction motors which is

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Reconstruction of Traction

being developed at the Institute of Electromechanics, AS USSR. Brief information is given on new electric-motor-car units  $S_3^T$ , SN, ER-1 and ER-5 (in blueprints). It is also reported that production of electrical equipment for single-phase standard-frequency electric trains has begun at the "Dinamo" plant. Problems of application of ionic rectifiers, semiconductor rectifiers and single-phase series-wound commutator motors are being tackled. Characteristics of electric locomotives scheduled for importation from Czechoslovakia and France are given. Railroad routes scheduled for conversion to diesel-electric traction are listed. Data is presented on existing diesel-electric locomotives TE 2, TE3, TE7, Bo-Bo and TU-2 (narrow-gauge type) and gas-producer locomotives TEG, TE4, and other types (in the blue-print stage). A locomotive with a gas-bottle tender is being developed. Basic data on Soviet and imported switching-duty diesel-electric locomotives is reported. Characteristics of a diesel train intended for suburban traffic are presented. Various progressive methods of organizing the work of locomotive

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SOV/112-59-2-3058

Reconstruction of Traction

crews are examined. Organization and norms of locomotive repairs are briefly described. See also Referativnyy Zhurnal, Elektrotehnika, 1957, 900.

K.V.A.

Card 3/3

Seredin, A.I.

MURATOV, P.G.; SEREDIN, A.I., inzh.

Development of the locomotive industry during the years of  
Soviet power. Zhel.dor.transp. 39 no.11:39-45 N '57. (MIRA 10:10)

1. Nachal'nik Glavnogo upravleniya lokomotivnogo khozyaystva  
Ministerstva putey soobshcheniya (for Muratov).  
(Locomotives)

SEREDIN, A.I., inzh.

Scientific research and design work done by the sections of the  
Organization for Railroad Cooperation. Zhel.dor.transp. 40 no.10:  
83-87 0 '58. (MIRA 11:12)

1. Sovetnik Komiteta po zheleznodorozhnomu transportu Organizatsii  
sotrudnichestva zheleznikh dorog sotsialisticheskikh stran.  
(Railroad research)

SEREDIN, A. I.

A common long-range scientific research plan of railroads participating in the Organization of Cooperation of the Railroads of Socialist Countries. p. 469.

KOZLEKEDESTUDOMANYI SZEMLE. Budapest, Hungary. Vol. 9, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAT), LC, Vol. ~~60, no. 2, Aug. 1960~~  
Uncl. 9, no. 2, Feb. 1960

SEREDIN, A. I.

Joint scientific research work on railroad transportation conducted by members of the Mutual Railroad Organization. Zhel.dor. transp. 41 no.6:79-83 Je '59. (MIRA 12:9)

1. Sovetnik Komiteta Organizatsii sotrudnichestva zheleznnykh dorog sotsialisticheskikh stran.  
(Railroad research)

SEREDIN, A.I., inzh.

Scientific cooperation of socialist countries in problems concerning  
the development of railroad transportation. Zhel.dor.transp. 43  
no.2:84-88 F '61. (MIRA 14:4)  
(Railroads--International cooperation)

SEREDIN, A.I.

Films on transportation. Zhel.dor.transp. 44 no.1:89-91 Ja '62.  
(MIRA 14:12)

1. Sovetnik Komiteta Organizatsii sotrudnichestva zheleznnykh  
dorog.

(Railroads--International cooperation)  
(Motion pictures, Documentary)

SHOSTAK, F.T.; SEREDIN, B.I.; LYUBMAN, N.Ya.; TSKHAY, A.A.

Ion-osmosis method of demineralization. Trudy Inst. khim. nauk AN  
Kazakh. SSR 11:164-169 '64. (MIRA 17:11)

YAYUBOV, Zh.Y.; YAYUBOV, V.V.; YAYUBOV, P.I.

Structural study of acetate and mixed polynuclear complex  
formation of trivalent iron. Vest. LGU 20 no. 4:54-56 '66.

(MIRA 18:4)

SEREDIN, B.V.

Preserving bull semen in modified diluents at room temperature.  
Veterinariia 40 no.8:65-66 Ag '63.

(MIRA 17:10)

1. Zaveduyushchiy laboratoriyey Mal'chikskoy stantsii iskusstvennogo osemeneniya sel'skokhozyaystvennykh zhivotnykh.

SEREDIN, D.

ARISTOV, G.; MIKHAYKENKO, N.; SEREDIN, D.

In step with life. Sov. profsoiuzy 6 no.2:45-48 P '58.  
(MIRA 11:3)

1. Tekhnicheskiye inspektora Voronezhskogo sovprofa.  
(Industrial safety)  
(Trade unions)

SEREDIN, M.

From waste products of the chemical industry. Prom.koop. no.10:20  
0 056. (MLRA 9:11)

1. Glavnyy inzhener arteli "Khimik," g. Rostov-na-Donu.  
(Varnish and varnishing)

SEREDIN, M.

Paint with a zinc resinate base. Prom. koop. no.5:12-13 My '58.  
(MIRA 11:4)

1. Tekhnoruk arteli "Khimik," Rostov-na-Donu.  
(Paint) (Zinc compounds)

SEREDIN, M., tekhnoruk (g. Rostov-na-Donu)

Joiner's glue made of chrome leather cuttings. Prom.koop 12  
no.11:22 N '58. (MIRA 11:11)

1. Artel' "Khimik."  
(Leather industry--By-products) (Glue)

SEREDIN, M.

Great possibilities are not made use of. Prom.koop. 13 no.6:27  
Je '59. (MIRA 12:9)

1. Tekhnoruk arteli "Khimik", g.Rostov-na-domu.  
(Rostov Province--Salvage (Waste, etc.)

SALIDA, P.I.

For ing

Testing double-die drop hammers under production conditions. Vest.nash. 31, no. 11, 1951.

NOTE IN LIST OF RE SIMN ADJUSTONS, LIBRARY OF CONGRESS, SEPTEMBER 1952. UNCLASSIFIED.

SEREDIN, P.I., dotsent.

Effect of the method of fracturing rods on the quality of the fractured surface. TSvet.met. 27 no.2:43-52 Mr-Ap '54.  
(MIRA 10:10)

1. Mintsvetmetzoloto.

(Brass--Testing)

SEREDIN, P.I., LEPNEV, B.Ya., inzhener, redaktor; POPOVA, S.M.,  
~~tehnicheskii~~ redaktor.

[Double-action power hammers (hammers without anvil block)]  
Moloty s dvustoronnim udarom (besshabotnye moloty) Moskva,  
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 95 p.  
(Forging machinery) (MLRA 8:8)

*TSvet.met. 28*  
MOROSNIKOV, I.A.; SEREDIN, P.I.; FEDOTOV, F.V.

Effect of the conditions of fracture on the fractured surfaces of  
rods from alloys LS59-1 and BrAZh9-4. TSvet.met. 28 no.4:59-66  
Jl-Ag '55. (MIRA 10:11)

(Bronze--Testing)

(Brass--Testing)

SEREDIN, P.I.

SEREDIN, P.I.

Extruding without pipes is a primary means of increasing productivity.  
TSvet.met. 28 no.6:37-41 N-D '55. (MIRA 10:11)

1. Mintsvetmetzoloto.

(Extrusion (Metals))

AKIMOVA, K.I.; BAZHENOV, M.F.; BAKHVALOV, G.T.; BEZKLUBENKO, N.P.; BERMAN, S.I.;  
BOGDANOV, Ye.S.; BODYAKO, M.N.; BOYKO, B.B.; VINOGRADOV, S.V.;  
GAGEN-TORN, K.V.; GLEK, T.P.; GOREV, K.V.; GRADUSOV, P.I.; GUSHCHINA, T.N.;  
YEMEL'YANOV, A.K.; YESIKOV, M.P.; ZDZYARSKIY, A.V.; ZAKHAROV, M.V.;  
ZAKHAROVA, M.I.; KARGHEVSKIY, V.A.; KOMAROV, A.M.; KORZHENKO, O.T.;  
LAYNER, V.I.; MAL'TSEV, M.V.; MILLER, L.Ye.; MILOVANOV, A.I.;  
MIRONOV, S.S.; NIKONOROVA, N.A.; OL'KHOV, N.P.; OSIPOVA, T.V.;  
OSOKIN, N.Ye.; PERLIN, I.L.; PLAKSIN, I.N.; PROKOF'YEV, A.D.;  
RUMYANTSEV, M.V.; SEVERDENKO, V.P.; SERKIDIN, P.I.; SMIRYAGIN, A.P.;  
SPASSKIY, A.G.; TITOV, P.S.; TURKOVSKAYA, A.V.; SHAKHNAZAROV, A.K.;  
SHPICHINETSKIY, Ye.S.; YURKSHTOVICH, N.A.; YUSHKOV, A.V.;  
YANUSHEVICH, L.V.

Sergei Ivanovich Gubkin. TSvet.met. 28 no.6:60-61 N-D '55. (MIRA 10:11)  
(Gubkin, Sergei Ivanovich, 1898-1955)

SEREDIN, P.I.

Uranium forging. Kuz.-shtam. proizvod. 3 no.1:14-18 Ja '61.  
(Uranium) (Forging) (MIRA 14:1)

S/182/61/000/011/002/005  
D038/D113

AUTHORS: Novobratskiy, R. L., Seredin, P. I. and Tyurin, N. N.

TITLE: Production of forged rods with improved mechanical properties  
from titanium alloys

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 11, 1961, 12-15

TEXT: The effect of the deformation stage on the mechanical properties of forged rods was studied. The rods were extruded from BT5 (VT5) and BT3-1 (VT3-1) titanium alloys listed in Table 1. Forgings were cast in vacuum arc furnaces in 2 meltings, and heated in a fuel oil furnace with a mild oxidizing atmosphere. VT5 titanium alloy specimens were annealed at  $750 \pm 10^{\circ}\text{C}$ , aged for 2 hours, and cooled in air. VT3-1 titanium alloy specimens were homogenized at  $870 \pm 10^{\circ}\text{C}$ , aged for 2 hours, cooled to  $650^{\circ}\text{C}$  in a furnace, aged for 1 hour at  $650^{\circ}\text{C}$ , and cooled in air. It is stated that the degree of deformation for the VT5 titanium alloy was zero at  $1020^{\circ}\text{C}$  and for the VT3-1 titanium alloy zero at  $1030^{\circ}\text{C}$ . The annealed and un-annealed specimens underwent tensile and impact tests. The authors conclude that (1) by increasing the degree of deformation after the last heating, the plasticity

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Production of forged rods ...

S/182/61/C00/011/002/005  
D038/D113

and strength of the forged rods can be raised with a corresponding structural change in the metal; (2) to bring the mechanical properties of the rods to the suitable  $\overline{TY}$  (TU) specifications by forging, the following degree of deformation should be used after the last heating - 60-70% for the VT5 titanium alloy, and 50-60% for the VT3-1 titanium alloy; (3) the new forging process improved the metal quality, and reduces rejects. N. N. Averkina and A. A. Petrova took part in the laboratory tests. There are 6 figures, 3 tables and 2 Soviet-bloc references. ✓

Table 1. VT5 and VT3-1 Titanium alloys

Alloy	Ti	Al	Cr	Mo	Fe	Si	C	N	H
VT5	Base	5.23	-	-	0.11	0.05	0.047	0.011	0.006
VT3-1	Base	6.16	2.17	2.61	0.58	0.06	0.040	0.031	0.006

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L 33520-65 EWP(e)/EPA(s)-2/ENT(m)/EPF(c)/EPF(n)-2/EWA(d)/EPR/EPA(w)-2/T/EWP(t)/  
EWP(k)/EWP(b)/EWA(c) Pf-4/Pr-4/Ps-4/Pt-10/Pu-4/Pab-10 LjP(-) KH/JD/HH/JG/HH  
ACCESSION NR: AR5005692 S/0276/64/006/009/V007/V007

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 9V44

AUTHOR: Seredin, P. I.; Seleznev, L. A.; Kalinin, K. K.

TITLE: Experimental forging of molybdenum

CITED SOURCE: Sb. tr. Vses. n. -1. in-t tverdykh splavov, no. 5, 1964, 225-234

TOPIC TAGS: powder metallurgy, molybdenum cermet, ingot mechanical property,  
plastic deformation, hot twist test, drop forging, reduction level

TRANSLATION: The authors studied the effects of plastic deformation on the mechanical properties of Mo ingots produced by hydraulic pressure molding or low temperature sintering. Ingots measuring 60 x 200 x 250 mm were used in a hot twist test and results were verified by drop forging. Optimal forging temperature for Mo was 1150-1200C furnace temperature 1300C. The best mechanical properties in forged Mo cermets were obtained at a total reduction of 45%. Peak compacting of Mo is also attained at the same reduction level. Bibl. with 6 titles; 10 illustrations. I. Gendlina

SUB CODE: MM, IE ENCL: 00

Card 1/1

80  
B

SEREDIN, P.M.

New grass species from the Caucasus. Bot. mat. Gerb. 21:51-59  
'61. (MIRA 14:10)

(Caucasus--Grasses)

SEREDIN, R. M.

"Medicinal Plants of the Dagestan ASSR." Sub 12 Apr 51,  
Moscow Oblast Pedagogical Inst.

Dissertations presented for science and engineering de-  
grees in Moscow during 1951.

SO: Sum. No. 280, 9 May 55

1. SEREDIN, R. M.
2. USSR (600)
4. Botany, Medical - Stavropol' Region
7. Field trip of the students of the Pyatigorsk Pharmaceutical Institute for the study of medicinal plants growing in the thickets in the Stavropol' region. Apt.delo no. 6, 1952.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

SEREDIN, R.M.

Botanical Garden of the Pyatigorsk Pharmaceutical Institute. Biul.  
Glnv.bot.sada no.21:107-108 '55. (MLRA 8:12)

1. Pyatigorskiy farmatsevticheskiy institut  
(Pyatigorsk--Botanical gardens)

SEREDIN, R. M.

USSR/Cultivated Plants - Medicinal. Essential Oils. Toxins. M-7

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91857

Author : Seredin, R.M.

Inst : -

Title : A Grief Characteristic of the Distribution of Some Varieties of Medicinal Plants in Stavropol'skiy Kray.

Orig Pub : Materialy po izuch. Stavropol'sk. kraya, vyp. 8, 1956, 171-181.

Abstract : This study describes the characteristics of the rayons where there is growth and mass concentration of medicinal raw materials. Data are cited on the approximate reserves and potential volume of stores of 33 varieties of medicinal plants. The reserves of many plants (diclinous nettle (*Urtica dioica* L.), coltsfoot, small leaf linden and Caucasian linden, European white birch (*Betula verrucosa*) the Pulescent birch (*Betula pubescens*), knot weed and others) cannot hamper the fulfillment even of a

Card 1/2

MALAKHOV, N.I.; GNILOVSKIY, V.G., kand.geograf.nauk; VOLODKEVICH, I.I.  
starshiy nauchnyy sotrudnik [deceased]; SEREDIN, R.M., dotsent,  
kand.biolog.nauk; VISHNEVSKIY, A.S., doktor med.nauk; SKRIPCHINSKIY,  
V.V., dotsent; GALUSHKO, A.I.; KHARCHENKO, L.I., red.; STEBLYANKO,  
T.V., tekhn.red.

[Caucasian Mineral Waters] Kavkazskie Mineral'nye Vody; putevoditel'.  
Izd.5., perer. i dop. Stavropol', Stavropol'skoe knizhnoe izd-vo.  
1960. 339 p. (MIRA 13:11)

1. Bal'neologicheskiy institut na Kavminvodakh (for Volodkevich).  
(CAUCASUS--MINERAL WATERS)

SEREDIN, R.M.; KADAYEV, G.N.

Plants used in popular medicine in the Karachay-Cherkess  
Autonomous Area. Trudy Len. khim.-farm. inst. 12:367-382  
'61. (MIRA 15:3)

1. Kafedra botaniki Pyatigorskogo farmatsevticheskogo  
instituta i kafedra farmakognozii i botaniki Leningradskogo  
Khimiko-farmatsevticheskogo instituta Ministerstva zdravookhrane-  
niya RSFSR.

(KARACHAY-CHERKESS AUTONOMOUS AREA---BOTANY, MEDICAL)  
(MEDICINE, POPULAR)

SEREDIN, R.M., dots., kand. biol. nauk; SOKOLOV, S.S., dots.,  
doktor med. nauk

[Medicinal plants; their recognition, distribution, pro-  
curement, chemical composition and medical utilization]  
Lekarstvennye rasteniia; raspoznavanie, rasprostraneniie,  
zagotovka, khimicheskii sostav i meditsinskoe primeneniie.  
Stavropol', Stavropol'skoe knizhnoe izd-vo, 1966. 170 p.  
(MIRA 15 12)

SEREDIN, S.K., inzh.

~~How to prevent "countercurrents" in diesel locomotives. Elek. i  
tepl. tiaga 2 no.1:40-41 Ja '58. (MIRA 11:3)~~

1. Priyemshchik TsK Ministerstva putey soobshcheniya teplovoznogo  
depo Kagan Ashkhabadskoy dorogi.  
(Diesel locomotives)

PIRUMOV, I.M., zasluzhennyy veterinarnyy vrach RSFSR; SEREDIN, V.A.

Treating anaplasmosis in imported rams. Veterinariia 41 no.9:  
55-57 S '64. (MIRA 18x4)

1. Respublikanskaya veterinarnaya poliklinika Kabardino-Balkarskoy ASSR (for Pirumov). 2. Starshiy veterinarnyy vrach Nal'chikskoy stantsii po iskusstvennomu osemneniyu sel'skokhozyaystvennykh zhivotnykh (for Seredin).

...SEREDIN, V. I., starshiy prepodavatel', kand. ekonom. nauk; SINYUKOV,  
M. I., dotsent, kand. ekonom. nauk

Justification for the specialization and rational combination of  
branches on state farms in Semipalatinsk Province. Izv. TSKHA  
no. 1:37-47 '65 (MIRA 19:1)

1. Kafedra organizatsii setsialisticheskikh sel'skokhozyaystven-  
nykh predpriyatii Moskovskoy sel'skokhozyaystvennoy ordena Lenina  
akademii imeni Timiryazeva.

VATULYA, N.N.; NAVARENKO, V.S.; SEPITYY, V.T.; SEREDIN, Ye.G.; KASHUBA, B.P., glavnyy konstruktor; UVAROVA, A.F., tekhn.red.

[Catalog of parts of DT-14, DT-14A, and DT-14B tractors] Katalog detalei traktorov DT-14, DT-14A, DT-14B. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 185 p. (MIRA 12:9)

1. Khar'kovskiy traktorosbornochnyy zavod. 2. Rabotniki Otdela glavnogo konstruktora Khar'kovskogo traktorosbornochnogo zavoda (for Vatulya, Navarenko, Sepityy, Seredin). 3. Khar'kovskiy traktorosbornochnyy zavod (for Kashuba).

(Tractors--Catalogs)

VATULYA, H.N.; NAVARENKO, V.S.; SEPITYY, V.T.; SEREDIN, Ye.G.; KASHUBA,  
B.P., red.; SOKOLOVA, T.F., tekhn.red.

[Catalog of spare parts for the DT-54A and DT-55A tractors]  
Katalog zapasnykh chastei traktorov DT-54A i DT-55A. Moskva,  
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 342 p.  
(MIRA 13:3)

1. Khar'kovskiy traktorosborechnyy zavod. 2. Otdel glavnogo  
konstruktora Khar'kovskogo traktornogo zavoda (KhTZ) (for Vatulya,  
Navarenko, Sepityy, Seredin). 3. Glavnyy konstruktor Khar'kovskogo  
traktornogo zavoda imeni Sergo Ordzhonikidze (for Kashuba).  
(Tractors--Catalogs)

ROTIN, A.L., kandidat tekhnicheskikh nauk; SEREDIN, Yu.M., inzhener;  
SHCHEGOLEV, M.M., professor, nauchnyy redaktor; PRUDNIKOVA, M.N.,  
redaktor; LYUDKOVSKAYA, N.I., tekhnicheskyy redaktor

[Instructions for the fitting and operation of the "Universal"  
cast iron sectional heater boiler] Instruktsiia po montazhu i  
ekspluatatsii otopitel'nogo chugunnogo sektionnogo kotla  
"Universal." Moskva, Gos. izd-vo lit-ry po stroit. materialam,  
1956. 17 p. (MLRA 9:10)

1. Russia (1923- U.S.S.R.) Ministerstvo promyshlennosti stroitel'-  
nykh materialov SSSR.  
(Boilers)

SHVARTSBERG, I.Ya.; SEREDIN, Yu.M.

Household kitchen range and combined boiler-range with a common  
firebox for solid fuel. Sbor. trud. NIIST no.4:146-154 '60.

(MIRA 13:11)

(Stoves)

(Boilers)

AUTHOR:

Seredin, Yu. V.

SOV/32-24-8-41/43

TITLE:

The Planning of Laboratories for Working With Radioactive Isotopes (O planirovke laboratorii dlya rabot s radioaktivnymi izotopami)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 8, pp. 1036 - 1037 (USSR)

ABSTRACT:

In designing such laboratories the "three zone principle" must be observed; "clean", "partially clean", and highly contaminated zones must be designated. In the first zone no radioactive materials are handled. The second zone is for guiding the work of the third zone, as well as for working in insulated rooms. In the highly-contaminated zone are located the actual working apparatus, the protection spaces for keeping radioactive isotopes, the "drying" areas for special clothing, etc. A sketch of the lay-out of such a laboratory is given. The passageways from one room to another, the apparatus for transporting preparations, and the working areas are especially heavily insulated. A photograph of the "rubber-glove room" for working with materials emitting  $\alpha$  and  $\beta$  rays which was constructed by V.P.Granil'shchikov is given.

Card 1/2

The Planning of Laboratories for Working With  
Radioactive Isotopes

SOV/32-24-8-41/43

Each area and each single room is provided with its own separate suction device, all of which employ a Petryanov filter. There are 2 figures and 5 references which are Soviet.

ASSOCIATION: Institut gigiyeny truda i professional'nykh zabolevaniy Akademii meditsinskikh nauk SSSR (Institute for **Industrial Hygiene and Occupational Diseases** of the Academy of Medical Sciences USSR)

Card 2/2

SOBOL', A.F.; SEREDIN, Yu.V.

Portable block for the TISS radiometer used for the measurement  
of soft  $\beta$ -radiations. Med.rad. 5 no.2:72-73 P '60.

(MIRA 13:12)

(RADIOMETER)

SEREDU, Yu. I., inzh.

Ventilation system of exhaust hoods for radioactive substances.  
Vod. 1 san. tekhn. no.6:16-17 Ia '65. (MIRA 18:8)

SOBOL', A.F.; PARMANIN, V.N.; SEREDIN, Yu.V.

Modified construction of the radiometer "Tiss" for solving some  
problems in practical dosimetry. Med.rad. no.3:74-76 '62.  
(MIRA 15:3)

1. Iz Instituta gigiyeny truda i profzabolevaniy AMN SSSR.  
(RADIOMETER) (RADIATION--DOSAGE)